

Classified Index, Volume 25

Author Index—1978

- Alton, Elaine V., Judith L. Gersting, and Joseph E. Kuczkowski, Banish the Boring Bulletin Board, Jan., 44-46
- Ames, Pamela, Bring a Bike to Class, Nov., 50-53
- Anderson, Alfred L., Why the Continuing Resistance to the Use of Counting Sticks? Mar., 18
- Arnold, William R., Management by Learning Activities: An Alternative to Objectives, Oct., 52-55
- Arnsdorf, Edward, Orienteering, New Ideas for Outdoor Mathematics, Apr., 14-17
- Avital, Shmuel, The Plight and Might of Number Seven, Feb., 22-24
- Barcus, Rita, Greater Than and Less Than, Jan., 52-53
- Barr, David C., Reducing Practice Time without Reducing the Value of the Practice, Dec., 20-21
- Beede, Rudy B., From the File, Nov., 45
- Bennett, Albert B., Jr., Star Patterns, Jan., 12-14
- Bensman, Katherine H., Mail-Order Math, Dec., 9
- Bohney, Paul J., From the File, Mar., 33
- Bobo, Annie R., Teacher Extraordinary, Nov., 39
- Bradford, John W., Methods and Materials for Learning Subtraction, Feb., 19-21
- Brennan, Alison D. House, Mr. Ten, You're Too Tall! Jan., 20-22
- Bright, George W., IDEAS, Oct., 30-34; Dec., 28-32; Feb., 28-32; Apr., 28-32
- _____, Using Tables to Solve Some Geometry Problems, May, 39-43
- Brown, Denise, and Winnie Peterson, From the File, May, 26
- Burris, Charles H., and Billy F. Hobbs, Minicalculators and Repeating Decimals, Apr., 18-20
- Burton, Grace M., Helping Parents Help Their Children Prepare for the Study of Mathematics, May, 12-14
- Burzler, Donald R., Jr., Be a Super Shopper! Mar., 40-45
- Callahan, Leroy G., Test-Item Tendencies: Curiosity and Caution, Dec., 10-13
- Charles, Michael, Mission: Division, Feb., 55-56
- Christensen, C. David, From the File, Jan., 26
- Clegg, Luther B., From the File, Apr., 43
- Cunningham, Betty, Individualized Arithmetic Instruction for Fifth and Sixth Grades, May, 44-46
- Dana, Marcia E., and Mary Montgomery Lindquist, Food for Thought, Apr., 6-11
- _____, Let's Do It, Oct., 10-17; Dec., 4-8; Jan., 4-10; Feb., 4-10; Mar., 4-8; Apr., 6-11; May, 4-11
- _____, Make Counting Really Count, May, 4-11
- _____, The Neglected Decimeter, Oct., 10-17
- _____, Recycle Your Math with Magazines, Dec., 4-8
- _____, Strip Tease, Mar., 4-8
- _____, The Surprising Circle! Jan., 4-10
- _____, Thinking Up Your Own Practice Games, Feb., 4-10
- Davidson, James E., The Language Experience Approach to Story Problems, Oct., 28
- Deatsman, Gary A., Michelle's Multiplying Monster, Mar., 55
- Drake, Paula M., Calculators in the Elementary Classroom, Mar., 47-48
- Duea, Joan, and Earl Ockenga, IDEAS, Nov., 28-32; Jan., 28-32; Mar., 28-32; May, 28-32
- Dunlap, William P., and Charles S. Thompson, Basic Facts: Do Your Children Understand or Do They Memorize? Dec., 14-16
- Easterday, Kenneth E., Teacher-made Aids for Teaching Place Value and Estimation, Jan., 50
- Egsgard, John C., President's Report: Is the NCTM Really Helping the Classroom Teacher of Mathematics? Dec., 53-56
- Ellis, Dorothy E., From the File, Dec., 22
- Fennell, Francis M., From the File, Feb., 26
- Frye, Shirley M., Labels, Labels, Labels, Dec., 2-3
- _____, One Point of View, Dec., 2-3
- Gawronski, Jane Donnelly, editor, What's Going On . . . , Oct., 24; Nov., 21; Dec., 27; Jan., 27; Feb., 39; Mar., 39; Apr., 42; May, 27
- Gersting, Judith L., Joseph E. Kuczkowski, and Elaine V. Alton, Banish the Boring Bulletin Board, Jan., 44-46
- Gibson, Stephanie Salem, Teaching Basic Concepts with Slides, Oct., 47-48
- Gilbert, Robert K., Hey Mister! It's Upside Down! Dec., 18-19
- Ginaitis, Stephen J., Sense with Cents, Jan., 43
- Gore, Joseph A., From the File, May, 26
- Grove, Julia, Pocket Multiplier, Mar., 54
- Hardin, Larry D., Peg It! May, 47
- Heddens, James W., and Robert Sovchik, Classroom Diagnosis and Remediation, Jan., 47-49
- Henry, Loren L., Another Look at Least Common Multiple and Greatest Common Factor, Mar., 52-53
- Hirstein, James J., Charles E. Lamb, and Alan Osborne, Student Misconceptions about Area Measure, Mar., 10-16
- Hobbs, Billy F., and Charles H. Burris, Minicalculators and Repeating Decimals, Apr., 18-20
- Hofeldt, Ellen J., and Larry L. Hofeldt, Mathematics for Special Education Teacher Trainees, Jan., 56-57
- Hofeldt, Larry L., and Ellen J. Hofeldt, Mathematics for Special Education Teacher Trainees, Jan., 56-57
- Hopkins, Martha H., The Diagnosis of Learning Styles in Arithmetic, Apr., 47-50
- Horwitz, Sheldra, From the File, Jan., 26
- Hunt, John D., How High Is a Flagpole? Feb., 42-43
- Hutcheson, Carol E., and James W. Hutcheson, Homemade Device for Quick Recall of Number Facts, Jan., 54-55
- Hutcheson, James W., and Carol E. Hutcheson, Homemade Device for Quick Recall of Number Facts, Jan., 54-55
- Kalodner, Joyce K., From the File, Nov., 45
- Kirkpatrick, Joan, editor, Metric Materials, Oct., 38-39; Dec., 34-36; Jan., 35; Feb., 35-36; Mar., 37-38; Apr., 35, 40, 60; May, 33-34
- Krulik, Stephen, Problem Solving: Some Considerations, Dec., 51-52
- Kuczkowski, Joseph E., Elaine V. Alton, and Judith L. Gersting, Banish the Boring Bulletin Board, Jan., 44-46
- Kurtz, V. Ray, Kindergarten Mathematics—a Survey, May, 51-53
- Lamb, Charles E., Alan Osborne, and James J. Hirstein, Student Misconceptions about Area Measure, Mar., 10-16
- Lappan, Glenda, and Mary Jean Winter, A Calculator Activity That Teaches Mathematics, Apr., 21-23
- LeBlanc, John F., You Can Teach Problem Solving, Nov., 16-20
- Leonard, Rich, From the File, Mar., 33
- Lester, Frank K., Jr., Ideas about Problem Solving: A Look at Some Psychological Research, Nov., 12-14
- Lichtenberg, Donovan R., The Use and Misuse of Mathematical Symbolism, Feb., 12-17
- Liedtke, Werner, and James Vance, Simulating Problem Solving in Classroom Settings, May, 35-38
- Lindquist, Mary Montgomery, Problem Solving with Five Easy Pieces, Nov., 6-10
- Lindquist, Mary Montgomery, and Marcia E. Dana, Food for Thought, Apr., 6-11
- _____, Let's Do It, Oct., 10-17; Nov., 6-10; Dec., 4-8; Jan., 4-10; Feb., 4-10; Mar., 4-8; Apr., 6-11; May, 4-11
- _____, Make Counting Really Count, May, 4-11

- , The Neglected Decimeter, Oct., 10-17
 —, Recycle Your Math with Magazines, Dec., 4-8
 —, Strip Tease, Mar., 4-8
 —, The Surprising Circle! Jan., 4-10
 —, Thinking Up Your Own Practice Games, Feb., 4-10
 Lowers, Debbie, and Robert Sovchik, From the File, Oct., 25
 Lucarelli, Marge, From the File, Apr., 43
 Makurat, Phillip A., A Look at a Million, Dec., 23
 Mangru, Matadi, Would You Believe???? Nov., 39
 Meiring, Steven P., Metric Measurement and Instructional Television, Oct., 42-44
 Miller, Ann, Teaching the Concept of $\frac{1}{2}$ in the Primary Grades, Mar., 57-58
 Molinoski, Marie, Black Jack, Feb., 52
 Morris, Janet Parker, Problem Solving with Calculators, Apr., 24-26
 Munson, Howard R., Your District Needs a Policy on Pocket Calculators! Oct., 46
 Myers, Ann C., and Carol A. Thornton, The Learning Disabled Child—Learning the Basic Facts, Dec., 46-50
 Ockenga, Earl, and Joan Duea, IDEAS, Nov., 28-32; Jan., 28-32; Mar., 28-32; May, 28-32
 Osborne, Alan, James J. Hirstein, and Charles E. Lamb, Student Misconceptions about Area Measure, Mar., 10-16
 Palmer, Henry B. A., Minicalculators in the Classroom—What Do Teachers Think? Apr., 27
 Parkerson, Elsa, Patterns in Divisibility, Jan., 58
 Peterson, Winnie, and Denise Brown, From the File, May, 26
 Ranucci, Ernest R., Snipshots, Feb., 40-41
 Rathmell, Edward C., editor, New Books for Pupils, Oct., 36; Dec., 33-34; Jan., 33; Feb., 33; Mar., 36; Apr., 33; May, 33
 Rees, Jocelyn Marie, A Measurement Fantasy, Jan., 16-17
 Reys, Robert E., One Point of View, Oct., 8-9
 —, Stop! Look! Think! Oct., 8-9
 Robinson, Edith, On the Uniqueness of Problems in Mathematics, Nov., 22-26
 Roesel, Deborah, From the File, Dec., 22
 Ronshausen, Nina L., Introducing Place Value, Jan., 38-41
 Ruderman, Harry D., Evenness and Oddness Extended, Mar., 56
 Sanok, Gloria, Living in a World of Transformations, Apr., 36-40
 Schmalz, Rosemary, S.P., A Visual Approach to Decimals, May, 22-25
 Schussheim, Joan Yares, A Mathematics Laboratory, Alive and Well, May, 15-21
 Skypek, Dora Helen, By Way of Introduction, Nov., 5
 —, Problem: Solving Prolems, Nov., 5
 Shokoohi, Gholam-Hossein, Manipulative Devices for Teaching Place Value, Mar., 49-51
 Shufelt, Gwen, editor, Etcetera, Oct., 39-40; Dec., 36-38; Jan., 35-37; Mar., 38; Apr., 60
 Souvney, Randall J., Quantifying Chance, Dec., 24-26
 Sovchik, Robert, and James W. Heddens, Classroom Diagnosis and Remediation, Jan., 47-49
 Sovchik, Robert, and Debbie Lowers, From the File, Oct., 25
 Statz, Joyce A., Compu-kids: A Project for "Children" of Many Ages, May, 48-50
 Stone, Janine S., From the File, Oct., 25
 Suydam, Marilyn N., and J. Fred Weaver, Research on Problem Solving: Implications for Elementary School Classrooms, Nov., 40-42
 Szabo, Michael, and Cecil Trueblood, Guidelines for Evaluation of Published Metric Materials, Feb., 46-50
 Thompson, Charles S., and William P. Dunlap, Basic Facts: Do Your Children Understand or Do They Memorize? Dec., 14-16
 Thornton, Carol A., and Ann C. Myers, The Learning Disabled Child—Learning the Basic Facts, Dec., 46-50
 Troutman, Andria P., editor, New Books for Teachers, Oct., 36-37; Dec., 34; Jan., 33-34; Feb., 33-35; Mar., 36-37; Apr., 33-35
 Trueblood, Cecil, and Michael Szabo, Guidelines for Evaluation of Published Metric Materials, Feb., 46-50
 Trusty, Kay, Metric Round Robin, Mar., 27
 Underhill, Robert G., Teaching Word Problems to First Graders, Nov., 54-56
 Vance, James, and Werner Liedtke, Simulating Problem Solving in Classroom Settings, May, 35-38
 Van de Walle, John A., Track Cards: A Different Activity for Primary Grades, Mar., 22-26
 Vest, Floyd, Introducing Additional Concrete Models of Operations: A Discovery Approach, Apr., 44-46
 Wahl, M. Stoessel, Marshmallows, Toothpicks, and Geodesic Domes, Dec., 39-42
 Wasilewski, Paul, From the File, Feb., 26
 Weaver, J. Fred, and Marilyn N. Suydam, Research on Problem Solving: Implications for Elementary School Classrooms, Nov., 40-42
 West, Tommie A., Rx for Verbal Problems: A Diagnostic Prescriptive Approach, Nov., 57-58
 Wheatley, Charlotte L., and Grayson H. Wheatley, How Shall We Teach Column Addition? Some Evidence, Jan., 18-19
 Wheatley, Grayson H., and Charlotte L. Wheatley, How Shall We Teach Column Addition? Some Evidence, Jan., 18-19
 Wheatley, Grayson H., The Right Hemisphere's Role in Problem Solving, Nov., 36-39
 Whitman, Nancy C., Hawaii's Inservice Metric Program, Dec., 44-45
 Winter, Mary Jean, and Glenda Lappan, A Calculator Activity That Teaches Mathematics, Apr., 21-23
 Yvon, Bernard R., Metrics with Marcel and Marcette, Oct., 26-27

Subject Index—1978

Accountability. See **Evaluation**

Addition and subtraction. See also **Computation**

How Shall We Teach Column Addition? Some Evidence, Jan., 18-19
 Introducing Additional Concrete Models of Operations, Apr., 44-46
 Methods and Materials for Learning Subtraction, Feb., 19-21
 Mr. Ten, You're Too Tall! Jan., 20-22

Affiliated groups. See **NCTM**

Applications

Be a Super Shopper! Mar., 40-45
 Food for Thought, Apr., 6-11
 Orienteering, New Ideas for Outdoor Mathematics, Apr., 14-17

Area. See also **Measurement**

Student Misconceptions about Area Measure, Mar., 10-16

Audiovisual materials. See also **Manipulative materials**

Etcetera, Oct., 39-40; Dec., 36-38; Jan., 35-37; Mar., 38; Apr., 60

Reviewing and Viewing, Oct., 36-40; Dec., 33-38; Jan., 33-37; Feb., 33-36; Mar., 36-38; Apr., 33-35, 40, 60; May, 33-34

Basic Skills. See also **Computation**

National Council of Supervisors of Mathematics Position Paper on Basic Skills, Oct., 19, 21-22

National Council of Teachers of Mathematics Position Statement on Basic Skills, Oct., 18

What's Going On . . . Dec., 27; Feb., 39

Bilingual education. *See Teaching methods*

Books and materials

Books and Materials, Nov., 46-47; Jan., 14; Mar., 46; Apr., 22
Reviewing and Viewing, Oct., 36-40; Dec., 33-38; Jan., 33-37; Feb., 33-36; Mar., 36-38; Apr., 33-35, 40, 60; May 33-34

Calculators and computers

A Calculator Activity That Teaches Mathematics, Apr., 21-23
Calculators in the Elementary Classroom, Mar., 47-48
Compu-kids: A Project for "Children" of Many Ages, May, 48-50
From the File, Oct., 25
IDEAS, May, 28-32
A Look at a Million, Dec., 23
Minicalculators and Repeating Decimals, Apr., 18-20
Minicalculators in the Classroom—What Do Teachers Think? Apr., 27
Problem Solving with Calculators, Apr., 24-26
Readers' Dialogue, Jan., 49, 53
What's Going On . . . Oct., 24; Nov., 21; Dec., 27; Jan., 27; Feb., 39; Apr., 42; May, 27
Your District Needs a Policy on Pocket Calculators! Oct., 46

Computation. *See also Addition and subtraction; Division; Multiplication*

Be a Super Shopper! Mar., 40-45
Black Jack, Feb., 52
Food for Thought, Apr., 6-11
From the File, Oct., 25; Nov., 45; Dec., 22; Feb., 26; Mar., 33; Apr., 43; May, 26
Homemade Device for Quick Recall of Number Facts, Jan., 54-55
IDEAS, Oct., 30-34; Feb., 28-32
The Learning Disabled Child—Learning the Basic Facts, Dec., 46-50
Readers' Dialogue, Jan., 49, 53
Reducing Practice Time without Reducing the Value of the Practice, Dec., 20-21
Thinking Up Your Own Practice Games, Feb., 4-10
What's Going On . . . Dec., 27; May, 27

Computers. *See Calculators and computers*

Counting

Make Counting Really Count, May, 4-11
Using Tables to Solve Some Geometry Problems, May, 39-43

Curriculum

Kindergarten Mathematics—a Survey, May, 51-53
Readers' Dialogue, Jan., 49, 53
What's Going On . . . Nov., 21; Dec., 27; Feb., 39; Mar., 39
Would You Believe???? Nov., 39

Decimals. *See Fractions*

Diagnosis and remediation. *See also Psychology; Individual differences*

Basic Facts: Do Your Children Understand or Do They Memorize? Dec., 14-16
Classroom Diagnosis and Remediation, Jan., 47-49

The Diagnosis of Learning Styles in Arithmetic, Apr., 47-50

Rx for Verbal Problems: A Diagnostic Prescriptive Approach, Nov., 57-58
What's Going On . . . Oct., 24; Jan., 27

Discovery

By Way of Introduction, Jan., 3
Introducing Additional Concrete Models of Operations, Apr., 44-46

Division. *See also Computation*

Mission: Division, Feb., 55-56
Patterns in Divisibility, Jan., 58

Editorial comments. *See also Letters to the editor*

The Arithmetic Teacher Has Come a Long Way, Oct., 4
By Way of Introduction, Nov., 5; Jan., 3; Apr., 5
One Point of View, Oct., 8-9; Dec., 2-3
Stop! Look! Think! Oct., 8-9
Thanks from the Editorial Panel, Feb., 54

Equipment, mathematical. *See Manipulative materials*

Estimation

IDEAS, May, 28-32
Teacher-made Aids for Teaching Place Value and Estimation, Jan., 50

Evaluation. *See also Tests*

Stop! Look! Think! Oct., 8-9
What's Going On . . . Jan., 27; Feb., 39; Mar., 39

Experiment. *See Research*

Films and filmstrips. *See Audiovisual materials*

Fractions, fractional numbers

From the File, Feb., 26
IDEAS, Jan., 28-32
Minicalculators and Repeating Decimals, Apr., 18-20
Readers' Dialogue, Oct., 48-49
Teaching the Concept of $\frac{1}{4}$ in the Primary Grades, Mar., 57-58
A Visual Approach to Decimals, May, 22-25

Games. *See also Recreational mathematics*

Black Jack, Feb., 52
A Calculator Activity That Teaches Mathematics, Apr., 21-23

Readers' Dialogue, Jan., 49, 53; May, 50, 53

Thinking Up Your Own Practice Games, Feb., 4-10

Geometry

IDEAS, Dec., 28-32
Living in a World of Transformations, Apr., 36-40
Marshmallows, Toothpicks, and Geodesic Domes, Dec., 39-42
Snipshots, Feb., 40-41
Star Patterns, Jan., 12-14
Strip Tease, Mar., 4-8
The Surprising Circle! Jan., 4-10
Using Tables to Solve Some Geometry Problems, May, 39-43

Graphs and graphing

From the File, Dec., 22
Hey Mister! It's Upside Down! Dec., 18-19
IDEAS, Mar., 28-32

Individual differences

Labels, Labels, Labels, Dec., 2-3
The Learning Disabled Child—Learning the Basic Facts, Dec., 46-50
Mathematics for Special Education Teacher Trainees, Jan., 56-57
Teaching Basic Concepts with Slides, Oct., 47-48
What's Going On . . . Mar., 39

Individualized instruction

Individualized Arithmetic Instruction for Fifth and Sixth Grades, May, 44-46
What's Going On . . . Oct., 24

Instructional materials. *See also Audio-visual materials; Books and materials*

Banish the Boring Bulletin Board, Jan., 44-46
Etcetera, Oct., 39-40; Dec., 36-38; Jan., 35-37; Mar., 38; Apr., 60
From the File, Oct., 25; Dec., 22; Jan., 26; Feb., 26; Mar., 33; Apr., 43; May, 26
Guidelines for Evaluation of Published Metric Materials, Feb., 46-50
Homemade Device for Quick Recall of Number Facts, Jan., 54-55
IDEAS, Oct., 30-34; Nov., 28-32; Dec., 28-32; Jan., 28-32; Feb., 28-32; Mar., 28-32; Apr., 28-32; May, 28-32
Let's Do It, Oct., 10-17; Nov., 6-10; Dec., 4-8; Jan., 4-10; Feb., 4-10; Mar., 4-8; Apr., 6-11; May, 4-11

Mr. Ten, You're Too Tall! Jan., 20-22
New Books for Pupils, Oct., 36; Dec., 33-34; Jan., 33; Feb., 33; Mar., 36; Apr., 33; May, 33

Pocket Multiplier, Mar., 54
Readers' Dialogue, Oct., 48-49; Jan., 49, 53
Reviewing and Viewing, Oct., 36-40; Dec., 33-38; Jan., 33-37; Feb., 33-36; Mar., 36-38; Apr., 33-35, 40, 60; May, 33-34
Teacher-made Aids for Teaching Place Value and Estimation, Jan., 50
What's Going On . . . Nov., 21

- Instructional television**
Metric Measurement and Instructional Television, Oct., 42-44
- Instruments.** *See Manipulative materials*
- Laboratory method; laboratories**
Bring a Bike to Class, Nov., 50-53
Management by Learning Activities: An Alternative to Objectives, Oct., 52-55
A Mathematics Laboratory, Alive and Well, May, 15-21
Readers' Dialogue, Feb., 41
- Learning disabilities.** *See Individual differences*
- Learning process.** *See Psychology; Teaching methods*
- Letters to the editor**
Readers' Dialogue, 48-49
- Low achievers.** *See Individual differences*
- Manipulative materials**
Etcetera, Oct., 39-40; Dec., 36-38; Jan., 35-37; Mar., 38; Apr., 60
Manipulative Devices for Teaching Place Value, Mar., 49-51
A Mathematics Laboratory, Alive and Well, May, 15-21
Peg It! May, 47
Track Cards: A Different Activity for Primary Grades, Mar., 22-26
A Visual Approach to Decimals, May, 22-25
Why the Continued Resistance to the Use of Counting sticks? Mar., 18
- Mathematics in general**
What's Going On . . ., Apr. 42
- Measurement**
From the File, Jan., 26
How High Is a Flagpole? Feb., 42-43
A Measurement Fantasy, Jan., 16-17
The Neglected Decimeter, Oct., 10-17
Orienteering, New Ideas for Outdoor Mathematics, Apr., 14-17
Strip Tease, Mar., 4-8
- Media.** *See Audiovisual materials; Books and materials; Instructional materials; Instructional television*
- Metric system, metrification.** *See also Measurement*
From the File, Mar., 33
Guidelines for Evaluation of Published Metric Materials, Feb., 46-50
Metric Materials, Oct., 38-39; Dec., 34-36; Jan., 35; Feb., 35-36; Mar., 37-38; Apr., 35, 40, 60; May, 33-34
- Metric Measurement and Instructional Television**, Oct., 42-44
Metrics with Marcel and Marcette, Oct., 26-27
Metric Round Robin, Mar., 27
The Neglected Decimeter, Oct., 10-17
What's Going On . . ., Oct., 24; Dec., 27; Jan., 27; Feb., 39; Mar., 39
- Models.** *See Manipulative materials*
- Money**
From the File, May, 26
Sense with Cents, Jan., 43
- Multiplication.** *See also Computation*
Michelle's Multiplying Monster, Mar., 55
Pocket Multiplier, Mar., 54
- NCTM, Affiliated groups**
Board Action on the 1977 Delegate Assembly Resolutions, Feb., 58
NCTM Affiliated Group Officers, Apr., 51-58
National Council of Supervisors of Mathematics Position Paper on Basic Skills, Oct., 19, 21-22
What's Going On . . ., Apr., 42
- NCTM, Committee reports**
Annual Financial Report, May, 54-55
NCTM Officers and Directors Elected in 1977, Dec., 56-59
Nominees for 1979 Election, Jan., 59
- NCTM, Finances.** *See NCTM, Committee reports*
- NCTM, Meetings**
Professional Dates, Oct., 63-64; Nov., 60; Dec., 60; Jan., 60; Feb., 59-60; Mar., 59-60; Apr., 59-60
- NCTM, Membership.** *See NCTM, Committee reports*
- NCTM, Minutes**
Minutes of the Annual Business Meeting, Nov., 59
- NCTM, Officers, committees, projects, and representatives**
Committees and Representatives, 1977-78 Supplemental List, Feb., 58
Officers, Directors, Committees, Projects, Representatives, and Executive Staff (1977-78), Oct., 57-60
What's Going On . . ., Mar., 39
- NCTM, Positions**
National Council of Teachers of Mathematics Position Statement on Basic Skills, Oct., 18
- NCTM, President's messages**
President's Report: Is the NCTM Really
- Helping the Classroom Teacher of Mathematics?** Dec., 53-56
- Notation and terminology**
Greater Than and Less Than, Jan., 52-53
Introducing Place Value, Jan., 38-41
Readers' Dialogue, May, 50, 53
Teacher-made Aids for Teaching Place Value and Estimation, Jan., 50
The Use and Misuse of Mathematical Symbolism, Feb., 12-17
- Numbers, number systems, number theory**
Another Look at Least Common Multiple and Greatest Common Factor, Mar., 52-53
Evenness and Oddness Extended, Mar., 56
IDEAS, Apr., 28-32
A Look at a Million, Dec., 23
Peg It! May, 47
The Plight and Might of Number Seven, Feb., 22-24
Strip Tease, Mar., 4-8
- Number sentences.** *See Sentences*
- Numeration.** *See Notation and terminology*
- Patterns**
From the File, Oct., 25
Star Patterns, Jan., 12-14
Track Cards: A Different Activity for Primary Grades, Mar., 22-26
Using Tables to Solve Some Geometry Problems, May, 39-43
- Pedagogy.** *See Psychology; Teaching methods*
- Percentage.** *See Fractions*
- Probability**
Quantifying Chance, Dec., 24-26
Readers' Dialogue, Oct., 48-49
- Problem solving.** *See also Psychology; Teaching methods*
Bring a Bike to Class, Nov., 50-53
Compu-kids: A Project for "Children" of Many Ages, May, 48-50
From the File, Jan., 26
IDEAS, Nov., 28-32; Feb., 28-32; Apr., 28-32
Ideas about Problem Solving: A Look at Some Psychological Research, Nov., 12-14
The Language Experience Approach to Story Problems, Oct., 28
Mail-Order Math, Dec., 9
On the Uniqueness of Problems in Mathematics, Nov., 22-26
Problem: Solving Problems, Nov., 5
Problem Solving: Some Considerations, Dec., 51-52
Problem Solving with Calculators, Apr., 24-26
Problem Solving with Five Easy Pieces, Nov., 6-10
Recycle Your Math with Magazines, Dec., 4-8

- Research on Problem Solving: Implications for Elementary School Classrooms, Nov., 40-42
 The Right Hemisphere's Role in Problem Solving, Nov., 36-39
 Rx for Verbal Problems: A Diagnostic Prescriptive Approach, Nov., 57-58
 Simulating Problem Solving in Classroom Settings, May, 35-38
 Teaching Word Problems to First Graders, Nov., 54-56
 Track Cards: A Different Activity for Primary Grades, Mar., 22-26
 What's Going On . . . , Feb., 39
 You Can Teach Problem Solving, Nov., 16-20

Psychology

- Helping Parents Help Their Children Prepare for the Study of Mathematics, May, 12-14
 Ideas about Problem Solving: A Look at Some Psychological Research, Nov., 12-14
 Introducing Additional Concrete Models of Operations, Apr., 44-46
 The Language Experience Approach to Story Problems, Oct., 28
 Manipulative Devices for Teaching Place Value, Mar., 49-51
 Readers' Dialogue, Jan., 49, 53
 Teacher Extraordinary, Nov., 39
 The Use and Misuse of Mathematical Symbolism, Feb., 12-17

Remediation. See Diagnosis and remediation

Research

- How Shall We Teach Column Addition? Some Evidence, Jan., 18-19
 Ideas about Problem Solving: A Look at Some Psychological Research, Nov., 12-14
 Kindergarten Mathematics—a Survey, May, 51-53
 Research on Problem Solving: Implications for Elementary School Classrooms, Nov., 40-42
 The Right Hemisphere's Role in Problem Solving, Nov., 36-39
 Student Misconceptions about Area Measure, Mar., 10-16
 What's Going On . . . , Nov., 21

Reviews. See Books and materials; Audiovisual materials; Instructional materials

Science. See Applications

Self-paced instruction. See Individualized instruction

Sexism. See Psychology

Subtraction. See Addition and subtraction

Symmetry. See Geometry

Teacher preparation

- Hawaii's Inservice Metric Program, Dec., 44-45
 Mathematics for Special Education Teacher Trainees, Jan., 56-57
 New Books for Teachers, Oct., 36-37; Dec., 34; Jan., 33-34; Feb., 33-35; Mar., 36-37; Apr., 33-35
 Simulating Problem Solving in Classroom Settings, May, 35-38
 What's Going On . . . , Oct., 24; Jan., 27; May, 27

Teaching materials

- Let's Do It, Nov., 6-10

Teaching methods. See also Ability grouping; Behavioral objectives; Computer-assisted instruction; Diagnosis and remediation; Discovery; Individualized instruction; Laboratory methods; Problem solving; Psychology

- Be a Super Shopper! Mar., 40-45
 Helping Parents Help Their Children Prepare for the Study of Mathematics, May, 12-14
 Hey Mister! It's Upside Down! Dec., 18-19
 Let's Do It, Oct., 10-17; Dec., 4-8; Jan., 4-10; Feb., 4-10; Mar., 4-8; Apr., 6-11; May, 4-11
 Management by Learning Activities: An Alternative to Objectives, Oct., 52-55
 Manipulative Devices for Teaching Place Value, Mar., 49-51
 Problem Solving: Some Considerations, Dec., 51-52
 Readers' Dialogue, Jan., 49, 53; Feb., 41
 Teaching Word Problems to First Graders, Nov., 54-56
 Why the Continued Resistance to the Use of Counting Sticks? Mar., 18
 You Can Teach Problem Solving, Nov., 16-20

Tests

- Reducing Practice Time without Reducing the Value of the Practice, Dec., 20-21
 Test-Item Tendencies: Curiosity and Caution, Dec., 10-13

Textbooks. See Books and materials

- The Use and Misuse of Mathematical Symbolism, Feb., 12-17

Time. See Measurement

Visual aids. See Audiovisual materials; Manipulative materials

Vocabulary. See Notation and terminology

Worksheets. See Instructional materials

Next Month In The

Arithmetic Teacher

In the fall of 1978, look for the first September issue of the *Arithmetic Teacher*.

In time for the opening of school, look in the *Arithmetic Teacher* for more teaching materials and some new insights into mathematics teaching and teaching materials.

Get the September 1978 issue of the AT.

Arithmetic Teacher Articles At Your Fingertips

Here is a book that should be in your library. *Cumulative Index: The Arithmetic Teacher, 1954-1973*, is a valuable resource book that indexes all articles published in 20 volumes of the journal. There are over 9,000 listings in three categories—author, title, and subject matter. So if there is anything from past issues of the *Arithmetic Teacher* that you or your students need to put your finger on, the *Cumulative Index* will have it, all conveniently easy. 128 pp. \$7.50 (\$6.75 for NCTM members)

All orders totaling \$20 or less must be accompanied by full payment in U.S. currency or equivalent. Make checks payable to the NCTM. Shipping and handling charges will be added to all billed orders.

An annotated listing of NCTM publications is free on request.

NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS
 1906 Association Drive,
 Reston, Virginia 22091